

HEAT EXCHANGER

5

ABSTRACT OF THE DISCLOSURE

10 A heat exchanger is disclosed, in which a plurality  
of sets of two louvres (111c) substantially triangular in  
shape are formed in such a manner that the distance from  
a flat plate portion (111a) increases progressively  
downstream in an EGR gas flow. The two louvres (111c) of  
each set are arranged inwardly slanted along the exhaust  
gas flow, so that a vertical swirl is generated to draw  
15 the EGR gas flow between the louvres (111c). The EGR gas  
flowing in the vicinity of the flat plate portion (111a)  
and the EGR gas flowing in the vicinity of a vertical  
plate portion (111b) are thus accelerated. As a result,  
the heat conductivity of the EGR gas and the fins (111)  
20 are improved and the particulate matter attached on the  
surface of the fins (111) can be blown off, thereby  
preventing the clogging of the fins (111).